

FIGURE 1

Clone LR4: hLH/CG Receptor Fusion with Thioredoxin Gene in pET32 Vector

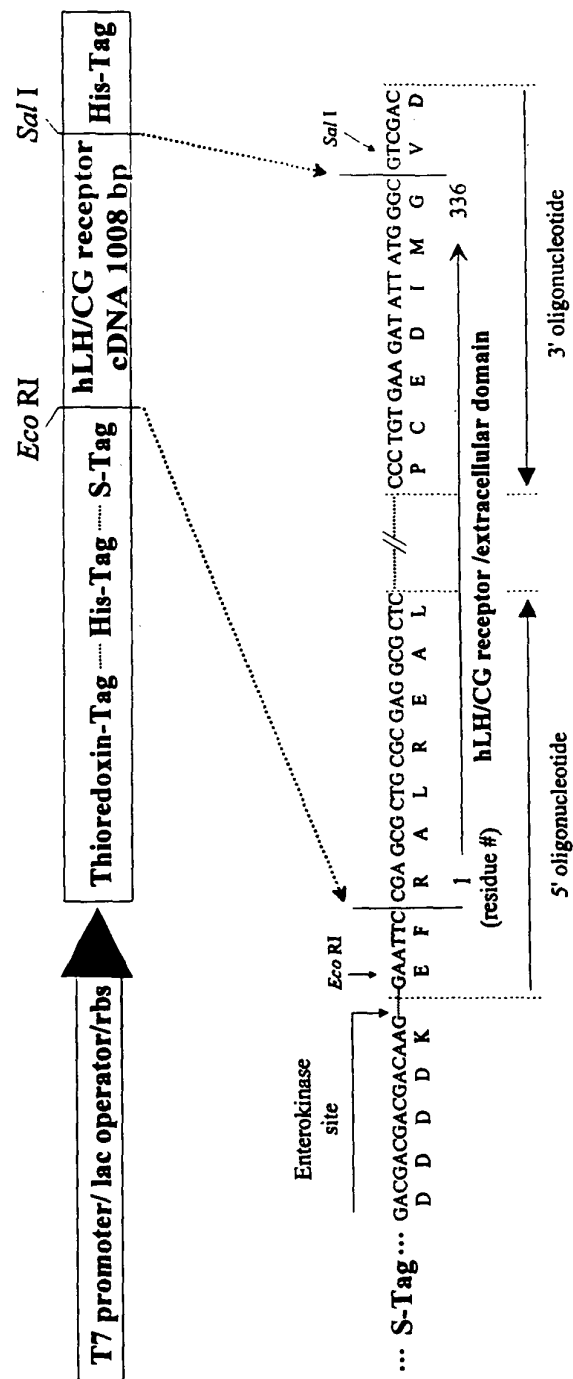
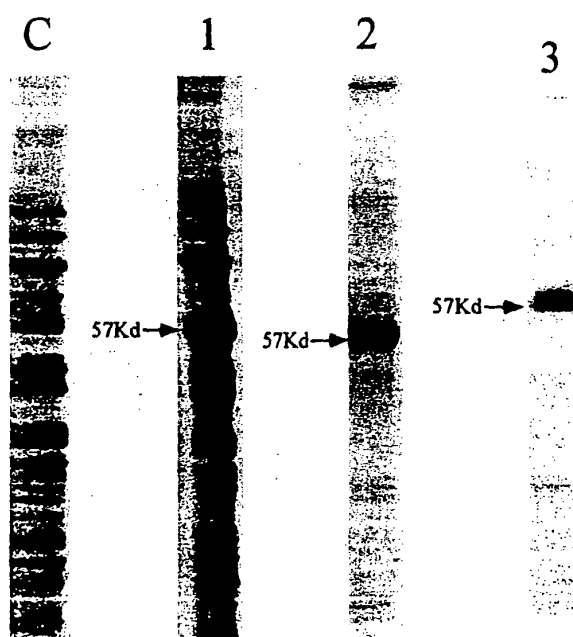


FIGURE 2

Non-reducing protein gels

Panel A



Western blots

Panel B

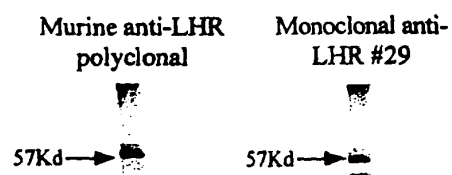


FIGURE 3

FIGURE 3

Affinity of hLH/CG receptor fusion protein

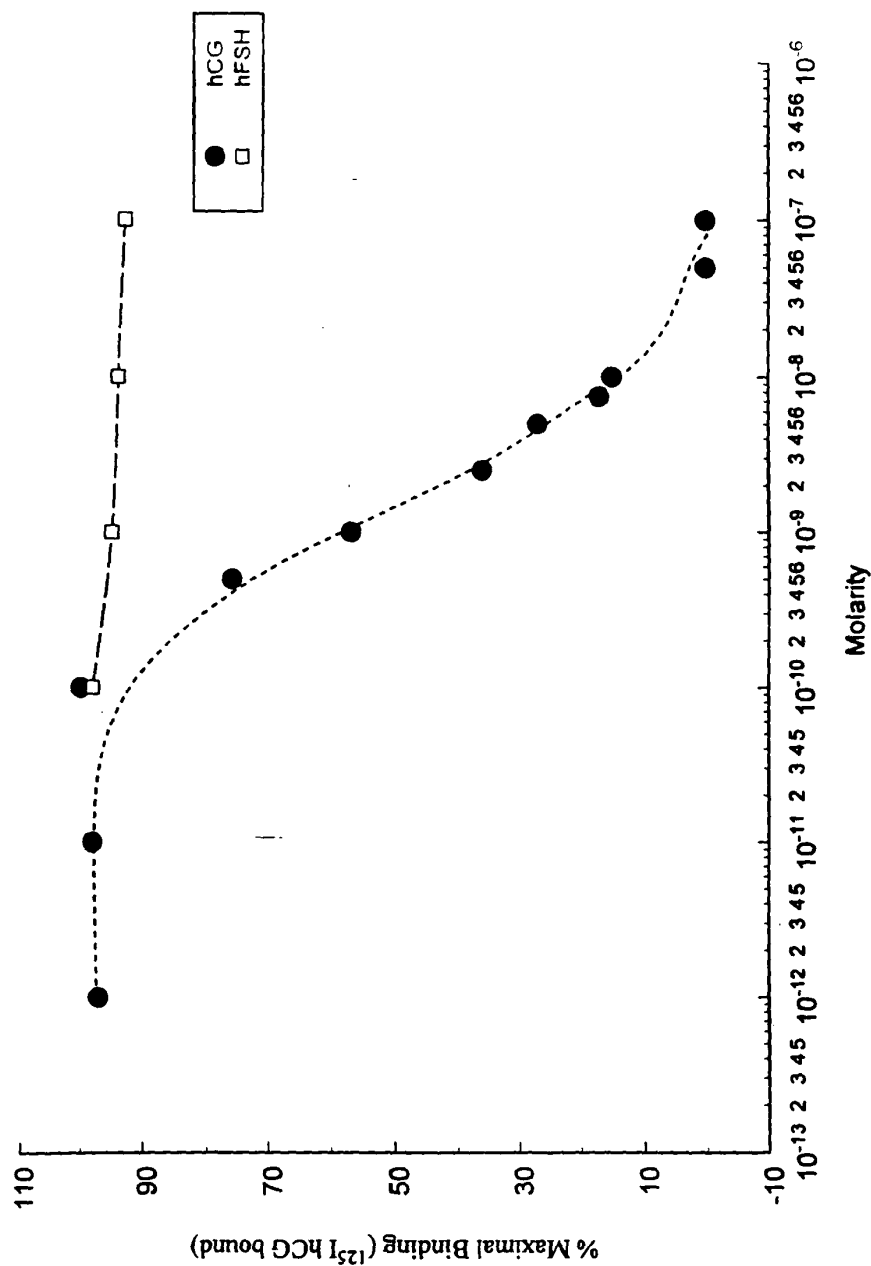


FIGURE 4

Effect of anti-hCG monoclonal antibodies
on hCG binding to receptor fusion protein

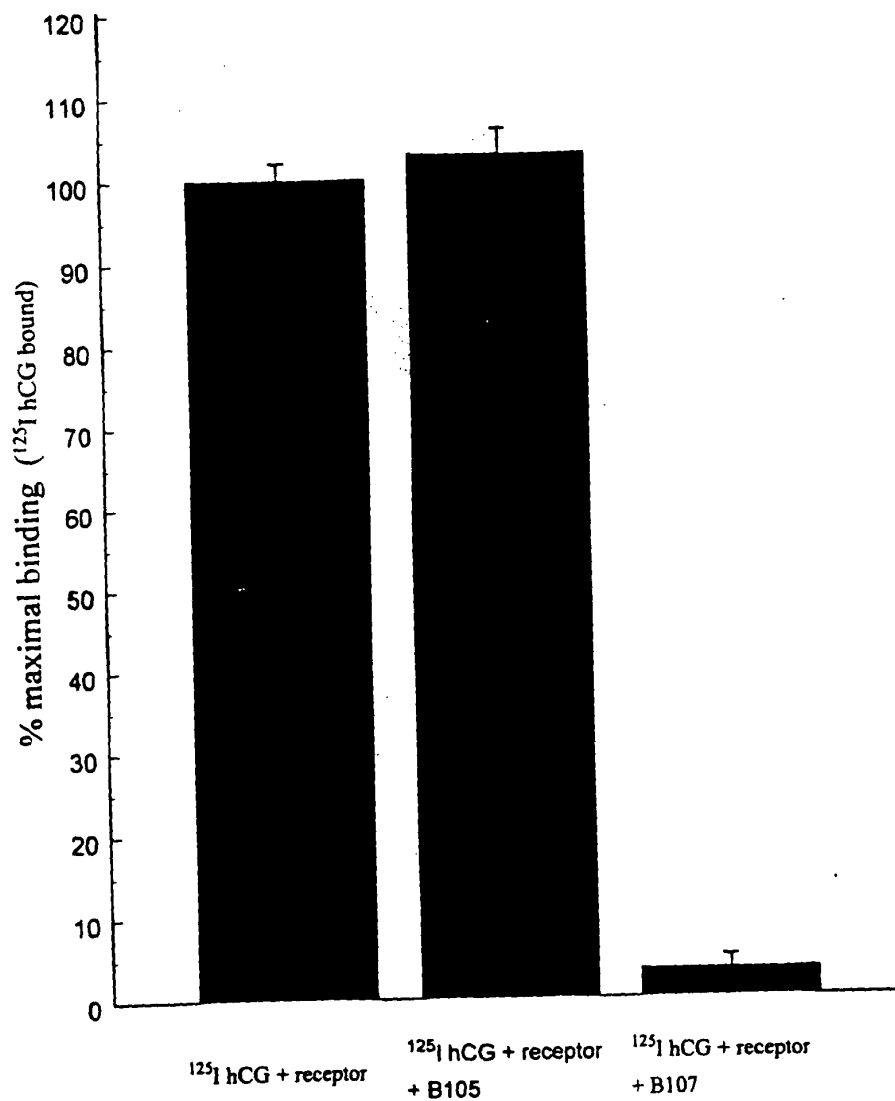
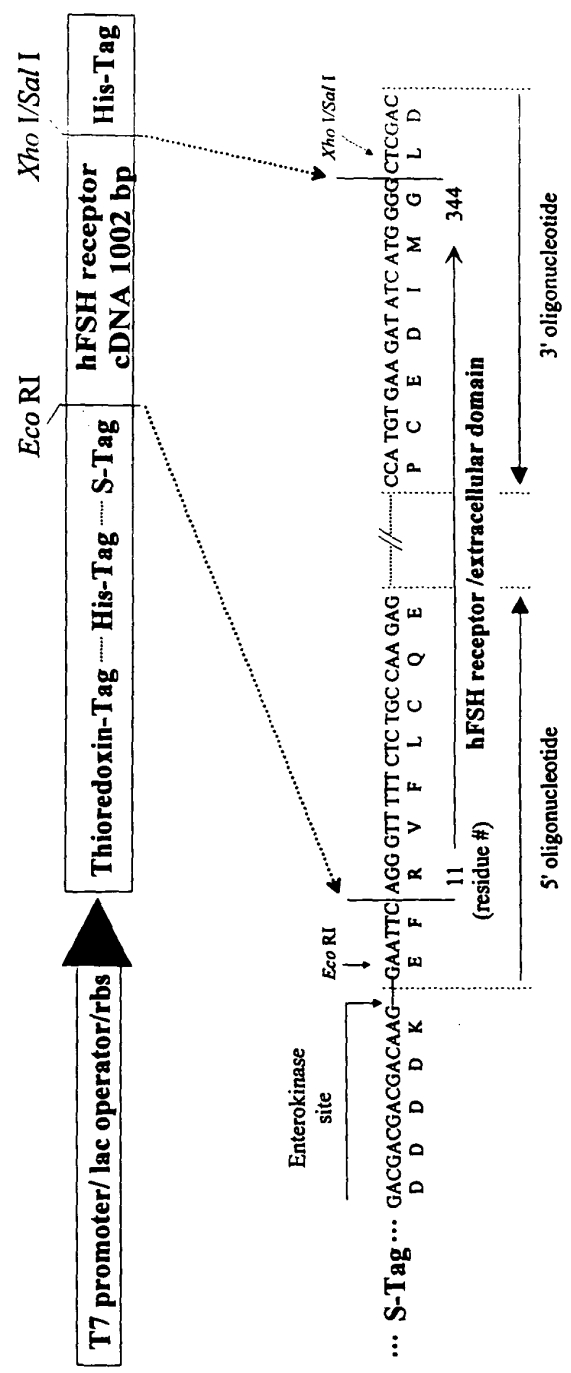


FIGURE 5

hFSH Receptor Fusion with Thioredoxin Gene in pET32 Vector



1 atgagcgataaaattattcacctgactgac
31 gacagttttgacacggatgctactcaaagcg
61 gacggggcgatcctcgctgatttctgggca
91 gagtgggtgcgggtccgtgcaaaatgatcgcc
121 ccgattctggaatgaaatcgctgacgaatat
151 cagggcaaaactgaccgttgcaaaactgaac
181 atcgatcaaaaacctgggcactgcgccgaaa
211 tatggcatccgtgggtatcccgaactctgtg
241 ctgttcaaaaacgggtgaagtggcgggcaacc
271 aaagtgggtgcaactgtctaaaggctcagttg
301 aaagagttcctcgacgctcaaacctggcgggt
331 tctggttctggccatatgcaccatcatcat
361 catcattcttctgggtctggtgccacgcggt
391 tctggtatgaaagaaacgctgctgctaaa
421 ttcgaacgccagcacatggacagcccagat
451 ctgggtaccgacgacgacgacaaggccatg
481 gctgatatcggatccgaattcagggtttt
511 ctctgccaaagagagcaagggtgacagagt
541 ccttctgacctcccagggaattgccattgaa
571 ctgaggtttgcctcaccaaagcttcgagtc
601 atccaaaaagggtgcatttccaggatttggg
631 gacctggagaaaaatagagatctctcagaat
661 gatgtcttggagggtgatagaggcagatgtg
691 ttctccaaccttcccaaattacatgaaatt
721 agaattgaaaaggccaacaacctgctctac
751 atcacccctgaggccttccagaaccttccc
781 aaccttcaatatctgttaatatccaacaca
811 ggtattaagcaccttcagatgttcacaag
841 attcattctctccaaaagggtttacttgac
871 attcaagataacataaaacatccacacaatt
901 gaaagaaattcttctggtggggtgagcttt
931 gaaagtgtgattctatggctgaataagaat
961 gggattcaagaaatacacaactgtgcattc
991 aatggaacccaactagatgcagtgaattcta
1021 agcgataataataatttagaagaattgct
1051 aatgatgttttccacggagcctctggacca
1081 gtcattctagatatattcaagacaaggatc
1111 cattccctgctgactatggccttagaaaat
1141 cttaagaagctgagggccagggtcgacttac
1171 aacttaaaaaagctgcctactctggaaaag
1201 cttgtcgccctcatggaagccagcctcacc
1231 tatccagccattgctgtgcctttgcaaac
1261 tggagacggcaaatctctgagcttcatcca
1291 atttgcaacaaatctattttaaggccaagaa
1321 gttgattatatgactcaggctgagggtcag
1351 agatcctctctggcagaagacaatgagtc
1381 agctacagcagaggatttgacatgacgtac
1411 actgagtttgactatgacttatgcaatgaa
1441 gtggttgacgtgacctgctcccctaagcca
1471 gatgcattcaacctatgtgaagatatcatg
1501 ggggtcgacaagccttgccggccgcaactcgag
1531 caccaccaccaccaccactga

Figure 6B

1 MSDKIIHLTDDSFDTDLKADGAILVDFWA
31 EWC GPCKMIAPILDEIADEYQGKLTVAKLN
61 IDQNP GTAPKYGIRGIPTLLL FKNGEVAAT
91 KVGALSKGQLKEFLDANLAGSGSGHMH
121 HHSSGLVPRGSGMKETA AAKFERQHMDSPD
151 LGTDDDDKAMADIGSEFRVFLCQESKVTEI
181 PSDLPRNAIELRFVLTKLRVIQKGA FSGFG
211 DLEKIEISQNDVLEVIEADVFSNLPKLHEI
241 RIEKANLLYITPEAFQNL PNLQYLLISNT
271 GIKHLPDVH KIHSLQKVLLDJQDNINIHTI
301 ERNSFVGLSFESVILWLNKNGIQEIHNCAF
331 NGTQLDAVNLS DNNNLEELPNDVFHGASGP
361 VILDISRTRIHS LPSYGLENLKKLRARSTY
391 NLKKLP TLEKLVALMEASLTYP SHCCAFAN
421 WRRQISELHPICNKSILRQEVDYMTQARGQ
451 RSSLAEDNESSY SRGFDMTYTEFDYDLCNE
481 VVDVTCSPKPD AFNPCE DIMGVDKLAAALE
511 HHHHHH*

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Figure 7A

1 atgagcgataaaattattcacctgactgac
 31 gacagttttgacacggatgtactcaaagcg
 61 gacggggcgatcctcgtcgatttctgggca
 91 gagtgggtgcgggtccgtgcaaaatgatcgcc
 121 ccgattctggatgaaatcgctgacgaatat
 151 cagggcaaaactgaccgttgcaaaactgaac
 181 atcgatcaaaaccctggcactgcccgaac
 211 tatggcatccgtgggtatcccgaactctgctg
 241 ctgttcaaaaacgggtgaagtggcggaacc
 271 aaagtgggtgcactgtctaaagggtcagttg
 301 aaagagttcctcgacgctaaccctggccggt
 331 tctggttctggccatattgcacatcatcat
 361 catcattcttctggtctggtgccacgcggt
 391 tctgggtatgaaagaaaccgctgctgctaaa
 421 ttggaacgccagcacatggacagcccagat
 451 ctgggtaccgacgacgacgacaaggccatg
 481 gctgatatcggtatccgaattccgagcgtg
 511 cgcgaggcgctctgcccgtgagccctgcaac
 541 tgcgtgcccgcacggcgcccctgcgctgccc
 571 ggccccacggcgggtctcactcgactatca
 601 cttgcctacctccctgtcaaagtgatecca
 631 tctcaagctttcagaggacttaatgaggtc
 661 ataaaaattgaaatctctcagattgattcc
 691 ctggaaaggatagaagctaattgcctttgac
 721 aacctcctcaatttgctgaaatactgac
 751 cagaacacacaaaaatctgagatacattgag
 781 cccggagcattttataaatcttccccgatta
 811 aaatacttgagcatctgtaacacaggcatc
 841 agaaagtttccagatgttacgaagggtctc
 871 tcctctgaatcaaatttcattctggaaatt
 901 tgtgataacttacacataaccaccatacca
 931 ggaaatgcttttcaagggtgaataatgaa
 961 tctgtaacactcaaaactatatggaaatgga
 991 tttgaagaagtacaaagtcattgcaatt
 1021 gggacgacactgacttcactggagctaaaag
 1051 gaaaacgtacatctggagaagatgcacaat
 1081 ggagccttccgtggggccacagggccgaaa
 1111 accttggtatatttcttccaccaaattgcag
 1141 gccctgcccagctatggccctagagtcatt
 1171 cagaggctaattgccacgtcattcctattct
 1201 ctaaaaaaattgccatcaagagaaacattt
 1231 gtcaatctcctggaggccacgttgacttac
 1261 cccagccactgctgtgcttttagaaacttg
 1291 ccaacaaaagaacagaatttttcacattcc
 1321 atttctgaaaacttttccaaacaatgtgaa
 1351 agcacagtaaggaaagtgaataacaaaaca
 1381 ctttattcttccatgcttgctgagagtga
 1411 ctgagtggctgggactatgaatatggtttc
 1441 tgcttaccacaaagacaccccgatgtgctcct
 1471 gaaccagatgcttttaatccctgtgaagat
 1501 attatgggcgtcgacaagcttgcggccgca
 1531 ctgagcaccaccaccaccactga

Figure 7B

1 MSDKIIHLTDDSFDTDVLKADGAILVDFWA
31 EWCGPCKMIAPILDEIADEYQGKLTVAKLN
61 IDQNPGTAPKYGIRGIPTLLLFKNGEVAAT
91 KVGALSKGQLKEFLDANLAGSGSGHMHMHHH
121 HHSSGLVPRGSGMKETAAAKFERQHMDSPD
151 LGTDDDDDKAMADIGSEFRALREALCPEPCN
181 CVPDGALRCPGPTAGLTRLAYLPVKVIP
211 SQAFRGLNEVIKIEISQIDSLERIEANAFD
241 NLLNLSEILIQNTKNLRYIEPGAFINLPRL
271 KYLSICNTGIRKFPDVTKVFSSESFILEI
301 CDN LHITTIPGNAFQGMNNE SVTLKLYGNG
331 FEEVQSHAFNGTTLTSLELKENVHLEKMHN
361 GAFRGATGPKTLDISSTKLQALPSYGLES
391 QRLIATSSSYSLKKLPSRETFVNLEATLTY
421 PSHCCAFRNLPKTEQNFSHSISENFSKQCE
451 STVRKVNNKTLYSSMLAESEL SGWDY EYGF
481 CLPKTPRCAPEPDAFNPCEDIMGVDKLAAA
511 LEHHHHHH*

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